

Daily System Generation Summary on Sunday

Sunday, October 3, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,223 MW
Distillate	0 MW
Total TNB	2,223 MW
Total IPP	18,050 MW
Total Co-Gen	0 MW
Total System	23,476 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,738	4.85 %
Gas	44,845	13.83 %
Total TNB	60,583	18.69 %
ST-Coal	189,672	58.51 %
LSS	3,942	1.22 %
Gas	68,031	20.99 %
Total IPP	261,645	80.71 %
Co-Gen	765	0.24 %
Total Co-Gen	765	0.24 %
Total Generation	322,993	99.64 %
PLTG	-489	-0.15 %
HVDC	-690	-0.21 %
Interconnection	-1,179	-0.36 %
Net Energy	324,172	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,822 MW
TNB Generation	3,201 MW
IPP Generation	12,413 MW
Spinning Reserve	1,174 MW
Maximum Demand	15,698 MW
Net Energy	324,172 MWH
Load Factor	86.04 %

Fuel Cost

Total Cost:	67,969,915.98 RM
Cost per Unit	21.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	206
Hydro	270
Syncon	483
Thermal	694
Total	1,653

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	165
Total TNB	194
CBPS	55
NPRI	155
PGLA	113
PLPS	37
Total IPP	359
Total Gas	554
Total Gas Required	554

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	14183	13633	13140	12660	12335	12087	11968	11763	11408	12067	12674	13120	13256	13390	13855	14141	14280	13991	13719	14321	15693	15595	15431	15188

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 3, 2021 1:00:37 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
JMAH	U001	604	600	603	601	603	509	450	397	350	301	301	301	300	302	303	301	303	301	303	301	301	301	301	301	301
JMAH	U002	615	605	604	608	605	500	452	401	350	307	305	304	303	305	303	304	305	306	303	305	335	408	405	404	409
JMHE	U001	982	969	895	850	850	852	800	800	798	780	782	781	778	781	777	781	783	781	777	777	778	782	838	841	837
JMHE	U002	981	962	888	851	688	858	804	800	797	779	779	779	780	780	781	776	784	782	780	778	777	782	783	843	840
JMJG	U001	594	602	590	594	591	594	593	596	590	595	591	594	587	623	666	609	617	618	612	615	614	665	678	668	672
JMJG	U002	682	678	682	682	680	682	683	681	682	661	579	574	546	597	568	548	549	550	547	551	569	648	656	667	669
JMJG	U003	673	672	671	673	673	671	677	672	677	644	589	575	548	587	548	530	553	546	541	551	542	657	668	668	668
JMJG	U004	981	974	919	858	858	854	821	804	804	785	785	785	785	783	783	782	785	783	783	785	783	782	785	827	847
PKLG	U006	269	268	269	269	268	269	267	267	268	268	268	269	268	271	268	268	269	269	269	269	269	269	269	269	269
TBIN	U001	446	398	400	374	349	298	302	300	301	301	299	300	299	300	301	300	301	301	301	300	300	299	301	301	300
TBIN	U002	450	401	402	381	353	301	304	302	304	303	306	303	304	303	304	304	304	302	304	303	303	302	303	302	301
TBIN	U003	449	402	402	379	351	300	303	302	302	303	303	302	302	303	304	304	305	302	303	303	302	303	302	301	302
TBIN	U004	983	975	894	852	852	853	802	803	803	804	802	802	803	804	804	803	802	802	801	803	802	803	842	843	842
Total ST-Coal		8709	8506	8219	7972	7721	7541	7258	7125	7026	6831	6689	6669	6603	6739	6714	6606	6658	6645	6627	6642	6703	7098	7136	7329	7363
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	BLK2	365	354	360	359	363	363	362	366	364	363	363	361	368	361	361	362	364	360	362	362	368	357	364	360	357
GLGR	GT01	108	108	108	109	108	109	110	107	108	107	108	110	108	103	95	95	95	94	95	95	95	108	108	96	95
GLGR	ST1C	46	45	45	45	45	45	44	44	44	44	45	45	44	44	40	41	39	41	41	40	45	45	42	41	41
NPRI	BLK1	514	500	512	512	508	511	515	510	505	508	515	515	514	510	502	503	512	506	514	512	518	501	509	509	505
NPRI	BLK2	517	505	515	514	508	515	517	514	509	511	517	517	518	513	507	506	517	512	517	515	522	485	511	512	488
PCGP	PGRG	603	585	596	598	593	599	602	597	591	591	601	601	598	597	586	588	598	591	603	597	608	584	593	594	589
PGLA	GT11	216	214	217	216	214	216	217	215	215	214	217	218	218	216	192	167	170	172	174	214	217	208	213	215	210
PGLA	GT12	221	216	220	220	219	220	221	220	218	219	221	221	222	220	197	171	174	174	177	219	221	213	216	217	213
PGLA	ST10	237	233	236	237	236	235	237	237	236	236	237	237	237	235	228	203	203	203	208	240	242	236	235	238	236
PLPS	GT11	143	138	139	143	141	142	144	143	139	141	143	143	143	114	124	129	128	128	129	128	142	144	143	129	129
PLPS	ST18	58	57	58	56	58	58	59	58	58	58	58	57	58	52	57	57	57	56	56	57	59	58	59	57	56
SPGP	BLK2	723	724	724	723	727	724	724	723	723	725	725	723	726	727	723	725	725	726	724	726	725	726	714	708	710
TJGS	GT1A	225	218	225	222	225	226	225	224	226	222	224	229	227	220	118	147	146	165	220	225	227	213	222	227	221
TJGS	ST1C	116	116	116	116	119	115	115	115	118	115	115	115	118	111	85	85	89	109	118	118	118	115	118	118	119
TJGS	GT2A	216	215	216	216	213	216	219	215	216	215	218	217	216	216	213	143	108	167	220	217	219	216	214	215	215
TJGS	GT2B	212	209	211	212	209	209	211	211	211	210	210	211	212	211	209	136	104	164	215	210	212	208	208	210	207
TJGS	ST2C	252	252	252	252	252	249	252	252	252	252	252	252	250	221	192	219	240	253	252	252	252	255	252	254	252
Total CCGT-Gas		4772	4689	4750	4750	4738	4752	4775	4751	4733	4731	4769	4772	4776	4709	4613	4279	4217	4366	4603	4727	4786	4670	4733	4716	4658
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	23	23	23	23	23	23	23	23	23	23	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	HY03	23	23	23	23	23	23	23	23	23	22	23	8	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	24	24	24	24	24	24	24	24	24	25	24	25	24	24	24	24	24	24	24	25	24	25	24	24	24
KNRG	HY03	21	20	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	20	22	21	22	21	21	21	21
KNYR	HY01	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94

Daily MW Generation on Sunday

[illegible]

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																								
SRev ST-Coal		509	553	822	825	783	827	824	829	827	876	941	940	947	910	868	925	1003	1003	1001	1002	1002	895	864	860	857	854	853	856	857	854	847	847	740	744	848	844	854	818	719	433	415	358	347	340	367	491	490	533
SRev CCGT-Gas		150	233	172	172	184	170	147	171	189	191	153	150	146	213	309	643	705	556	319	195	136	252	189	206	264	287	267	242	211	177	244	156	194	177	170	177	150	165	148	170	161	243	165	150	155	146	172	150
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		825	825	825	825	638	674	825	825	825	825	825	825	825	825	674	825	825	825	651	651	651	651	651	651	500	651	651	651	651	651	651	651	500	651	651	651	651	551	338	151	151	0	151	277	277	277	551	
Hydro		182	169	165	108	218	250	119	97	119	119	104	122	102	147	270	397	259	146	138	263	153	161	178	191	326	258	250	147	147	114	147	68	139	275	194	199	194	195	402	314	403	423	583	550	399	389	421	170
S.Reserve Total		1666	1780	1984	1930	1823	1921	1915	1922	1960	2011	2023	2037	2020	2095	2272	2639	2792	2530	2283	2111	1942	1959	1882	1908	1947	2050	2021	1896	1866	1796	1889	1722	1724	1696	1863	1871	1849	1829	1820	1255	1130	1175	1095	1191	1198	1303	1360	1404